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Substitute Specification Clean Version

Device for producing a hollow profile

[0001] This application is a national phase application of International application PCT/EP2004/012693 filed November 10, 2004 and claims the priority of German application No. 103 56 535.3, filed December 4, 2003, the disclosures of which are expressly incorporated by reference herein.

BACKGROUND AND SUMMARY OF THE INVENTION

[0002] The present invention relates to a device for producing an essentially T-shaped hollow profile or a hollow profile provided with at least one branch.

[0003] DE 199 09 928 C2 discloses a device for partly or completely severing a dome-like branch of a hollow body formed according to the internal high pressure forming process. The device has an encircling cutting edge, assigned to which is a supporting body which is arranged so as to be movable in such a way that it supports that region of the branch which is being deformed during the cutting operation, and the supporting body being inserted into a recess of the tool and surrounding the branch. A retaining ring adjoins the cutting edge. For the purpose of the internal high pressure forming of the hollow body, the device, the cutting ring and the retaining ring therefore form the requisite bearing surfaces. For the purpose of severing the dome-like branch, the retaining ring is axially